

Robert Greene Sterne Jorge A. Goldstein David K.S. Cornwell Robert W. Esmond Tracy-Gene G. Curkin Michael B. Ray Robert E. Sokohl Eric K. Steffe Michael Q. Lee Steven R. Ludwig John M. Covert Linda E. Horner Robert C. Millonig Donald J. Featherstone Timothy J. Shea, Jr Michael V. Messinger Judith U. Kim Patrick E. Garrett
Jeffrey T. Helvey
Heidi L. Kraus
Eldora L. Ellison
Thomas C. Fiala
Donald R. Banowit
Peter A. Jackman
Jeffrey S. Weaver
Brian J. Del Buono
Edward W. Yee
Vincent L. Capuano
Virgil Lee Beaston
Theodore A. Wood
Elizabeth J. Haanes
Joseph S. Ostroff
Frank R. Cottingham
Rae Lynn P. Guest
Daniel A. Klein

May 8, 2006

Jason D. Eisenberg Michael D. Specht Tracy L. Muller Jon E. Wright LuAnne M. DeSantis Ann E. Summerfield Helene C. Carlson Cynthia M. Bouchez Timothy A. Doyle Gaby L. Longsworth Lori A. Gordon Laura A. Vogel Bryan S. Wade Bashir M.S. Ali Shannon A. Carroll Matthew E. Kelley Michelle K. Holoubek Marsha A. Rose Christopher J. Walsh W. Blake Coblentz\* James J. Pohl\* Young Tang John T. Haran\* Mark W. Rygiel

Registered Patent Agents Karen R. Markowicz
Matthew J. Dowd
Katina Yujian Pei Quach
Bryan L. Skelton
Robert A. Schwartzman
Victoria S. Rutherford
Simon J. Elliott
Julie A. Heider
Mita Mukherjee
Scott M. Woodhouse

Attn: Mail Stop Amendment

Liliana Di Nola-Baron Peter A. Socartas Jeffrey K. Mills Danielle L. Letting Lori Brandes

Of Counsel Edward J. Kessler Kenneth C. Bass III Marvin C. Guthrie

\*Admitted only in Maryland \*Admitted only in Virginia •Practice Limited to Federal Agencies

WRITER'S DIRECT NUMBER: (202) 772-8855 INTERNET ADDRESS: HOLOUBEK@SKGF.COM

Art Unit 2686

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No. 09/476,092; Filed: January 3, 2000

For:

Analog Zero IF FM Decoder and Embodiments Thereof, Such

as the Family Radio Service

Inventors:

Sorrells et al.

Our Ref:

1744.0250001

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Credit Card Payment Form (PTO-2038) in the amount of \$180.00 to cover Information Disclosure Statement Fee;
- 2. Eleventh Supplemental Information Disclosure Statement;
- 3. Form PTO-1449 (four (4) sheets) listing forty-one (41) references;
- 4. Copies of references AJ24, AK24, AL24, AM24, AJ25, AK25, AL25, AN60, AO60, AP60, AQ60, AR60, AN61, and AO61; and
- 5. One (1) Return Postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox PLLC: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents May 8, 2006 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Michelle K. Holoubek Attorney for Applicants Registration No. 54,179

MKH/srb Enclosures

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Sterne, Kessler, Goldstein & Fox PLLC.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com



## THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Sorrells et al.

Appl. No.: 09/476,092

Filed: January 3, 2000

Analog Zero IF FM Decoder and Embodiments Thereof, **Such As The Family Radio** 

Service

Confirmation No.: 7304

Art Unit: 2686

Examiner: Naghmeh Mehrpour

Atty. Docket: 1744.0250001

## **Eleventh Supplemental Information Disclosure Statement**

Mail Stop Amendment

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this Eleventh Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Tenth Supplemental Information Disclosure Statement filed on November 22, 2005 in connection with the above-captioned application.

Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

Applicants provide the following comments regarding the documents:

Document AJ24 was cited in a search report in related European Patent Application No. 04020115.4, filed October 6, 2000, entitled "Down Converter Using Subsampling," directed to related subject matter. Also cited in said search report were U.S. Patent Nos. 5,454,007; 5,705,949; and 5,883,548, PCT Publication Nos. WO 94/05087 and WO 98/40968, German Patent Nos. DE 35 41 031 A and DE 197 35 798 C, and Fest, Jean-Pierre, "Le Convertisseur A/N Revolutionne Le Recepteur Radio," Electronique, JMJ (Publisher), No. 54, pp. 40-42 (December 1995), which have already been cited in the present application.

Documents AK24 and AB71 were cited in an Office Action in related European Patent Application No. 01977965.1, filed May 16, 2001, entitled "Apparatus, System, and Method for Down converting and Up converting Electromagnetic Signals," directed to related subject matter. Also cited in said search report were U.S. Patent Nos. 5,564,097 and 5,640,698; PCT Publication No. WO 96/02977; and Rudell, J.C. *et al.*, "A 1.9-Ghz Wide-Band IF Double Conversion CMOS Receiver for Cordless Telephone Applications," IEEE Journal of Solid-State Circuits, IEEE, Vol. 32, No. 12, pp. 2071-2088 (December 1997), which have already been cited in the present application.

Documents AL24, AM24, AJ25-AL25, and AC71 were cited in an Office Action in related Israel Patent Application No. 142,699, filed October 18, 1999, entitled "Method and System for Frequency Up-Conversion,", directed to related subject matter.

Also cited in said Office Action was European Patent Publication No. EP 0 548 542, which has already been cited in the present application.

Documents AN60 and AA71 were cited in an Office Action in related U.S. Patent Application No. 10/197,253, filed July 18, 2002, entitled "Networking Methods and Systems," directed to related subject matter.

Documents AG70, AD71-AF71, AI71, AE73, and AF73 are co-owned patents which are directed to related subject matter.

Documents AH70 and AI70 were cited in an Office Action in related U.S. Patent Application No. 09/550,644, filed April 14, 2000, entitled "Method And System For Down-Converting An Electromagnetic Signal, Transforms For Same, And Aperture Relationships," directed to related subject matter.

Documents AG71 and AH71 were cited in an Office Action in related U.S. Patent Application No. 10/394,069, filed March 24, 2003, entitled "Method and Circuit for Down-Converting a Signal," directed to related subject matter. Also cited in said Office Action was U.S. Patent No. 6,836,650, which has already been cited in the present application.

Documents AH71, AA72, and AB72 were cited in an Office Action in related U.S. Patent Application No. 11/173,021, filed July 5, 2005, entitled "Method and Circuit for Down-Converting a Signal," directed to related subject matter.

Documents AC72-AI72 and AA73-AD73 were cited in an Office Action in related U.S. Patent Application No. 10/305,299, filed November 27, 2002, entitled "Method and Apparatus for Improving Dynamic Range In a Communication System,"

directed to related subject matter. Also cited in said Office Action were U.S. Patent Nos. 5,339,459 and 5,517,688, which have already been cited in the present application.

This statement should not be construed as a representation that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below:

- ☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this
  Information Disclosure Statement was cited in a communication from a foreign
  patent office in a counterpart application and this communication was not
  received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty
  days prior to the filing of this information disclosure statement.
- 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.
- - a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure

    Statement was first cited in any communication from a foreign

patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee.
  Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$\_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
  - a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than

three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- 5. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.
- A concise explanation of the relevance of the non-English language documents appears below in accordance with 37 C.F.R. 

  § 1.98(a)(3):

Document AK24 (DT 1936252) appears to describe a modulator or demodulator in integrated technology. An English language translation of document AK24 is enclosed as document AO60.

Document AL24 (JP 62-12381) appears to describe a pulse-width modulation control system of an inverter. An English language abstract of document AL24 is enclosed as document AP60.

Document AM24 (JP 4-154227) appears to describe a relay monitoring device for broadcasting radio waves. An English language abstract of document AM24 is enclosed as document AQ60.

Document AJ25 (JP 6-284038) appears to describe a transceiver. An English language abstract of document AJ25 is enclosed as document AR60.

Document AK25 (JP 10-96778) appears to describe a distance measuring device. An English language abstract of document AK25 is enclosed as document AN61. Document AL25 (JP 11-98205) appears to describe a demodulator for digital radio communication. An English language abstract of document AL25 is enclosed as document AO61.

7. Copies of documents AJ24-AM24, AJ25-AL25, AN60-AR60, AN61, and AO61 are enclosed. However, in accordance with 37 C.F.R. § 1.98(a)(2), copies of the U.S. patents and patent publications cited on the attached Form PTO-1449 are not enclosed.
8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No.\_\_\_\_\_\_\_\_, filed \_\_\_\_\_\_\_\_, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

9. It is expected that the examiner will review the prosecution and cited art in the parent application no(s). \_\_\_\_\_ in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Michelle K. Holoubek Attorney for Applicants Registration No. 54,179

Date:

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

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**FORM PTO-1449** 

ATTY. DOCKET NO. 1744.0250001

APPLICATION NO. 09/476,092

Page 1 of 4

FIRST NAMED INVENTOR
David F. Sorrells

**ELEVENTH SUPPLEMENTAL** 

WITOT		ITH SUPPLEMENTAL	45.LT		vid F. Sorrells					
INFORMATION DISCLOSURE STATEMENT					FILING DATE		ART UNIT 2686			
			U.S. P.		uary 3, 2000 DOCUMENTS	200	0	<del> </del>		
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE		IAME	CLAS	S SUB-CLASS	FILING DATE		
	AA									
	AB									
	AC									
	AD									
	AE									
	AF									
	AG70	6,975,848 B2	12/2005	, F	Rawlins et al.					
	AH70	6,404,758 B1	06/2002	: v	Vang					
	AI70	6,909,739 B1	06/2005	E	Eerola et al.					
-			FOREIGN	PATE	NT DOCUMENTS	<b>!</b>				
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE		COUNTRY	CLAS	S SUB-CLASS	TRANSLATION		
	AJ24	WO 98/53556, A2	11/19	98	PCT			N/A		
	AK24	DT 1936252	01/19	71	DT			Yes (Doc. AO60)		
	AL24	JP 62-12381	01/19	87	JP			No		
	AM24 JP 4-154227 05/1992			JP			No			
		OTHER DOCUMENT	S (Includi	ing Au	thor, Title, Date, Pe	ertinent Page:	s, etc.)	·		
EXAMINER INITIAL	DOC. REF.	CITATION								
	AN60	Gaudiosi, J., "Retailers will bundle Microsoft's Xbox with games and peripherals," <i>Video Store Magazine</i> , Volume 23, Issue 36, pg. 8, 2 pages (September 2-8, 2001).								
	AO60	English-language Translation of German Patent Publication No. DT 1936252, translation provided by Transperfect Translations, 12 pages (January 28, 1971 - Date of publication of application).								
	AP60	English-language Abstract of Japanese Patent Publication No. JP 62-12381, data supplied by the espacenet, 1 page (January 21, 1987 - Date of publication of application).								
	AQ60	English-language Abstract of Japanese Patent Publication No. JP 4-154227, data supplied by the espacenet, 1 page (May 27, 1992 - Date of publication of application).								
	AR60	English-language Abstr 1 page (October 7, 199				JP 6-284038, da	ata supplied by	the espacenet,		
EXAMINER						DATE C	ONSIDERED			

**EXAMINER**: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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FORM PTO-1449 <u>ELEVENTH SUPPLEMENTAL</u> <u>INFORMATION DISCLOSURE STATEMENT</u>				ATTY. DOCKET NO. APPLICATION NO. 1744.0250001 09/476,092							
				FIRS	FIRST NAMED INVENTOR						
					David F. Sorrells FILING DATE ART UNIT						
U.C. DAT					January 3, 2000 2686						
EXAMINER	DOC.	DOCUMENT NUMBER	DATE		DOCUMENTS		CLASS	SUB-CLASS	EII ING DATE		
INITIAL	REF.	DOCUMENT NUMBER		NAME			CLASS	SUB-CLASS	FILING DATE		
	AA71	6,910,015 B2	06/2005	Ka	awai						
	AB71	3,719,903	03/1973	G	oodson						
<u></u>	AC71	4,591,930	05/1986	Ва	Baumeister						
	AD71	7,006,805 B1	02/2006	So	Sorrells et al.						
	AE71	7,010,286 B2	03/2006	So	Sorrells et al.						
	AF71	7,010,559 B2	03/2006	Ra	Rawlins et al.						
	AG71	5,131,014	07/1992	w	White						
	AH71	AH71 6,393,070 B1 05/2002		Re	Reber						
-	AI71	7,016,663 B2	03/2006		Sorrells et al.						
			FOREIGN	PATE	NT DOCUMENTS	3					
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE		COUNTRY		CLASS	SUB-CLASS	TRANSLATION		
	AJ25	JP 6-284038	10/199	4	JP				No		
	AK25	JP 10-96778	04/199	8	JP				No		
	AL25	JP 11-98205	04/199	9	JP				No		
	AM								Yes No		
		OTHER DOCUMENT	S (Includir	ng Aut	hor, Title, Date,	Pertinent I	Pages,	etc.)			
EXAMINER INITIAL	DOC. REF:										
	AN61	English-language Abstract of Japanese Patent Publication No. JP 10-96778, data supplied by the espacenet, 1 page (April 14, 1998 - Date of publication of application).									
	AO61	English-language Abstract of Japanese Patent Publication No. JP 11-98205, data supplied by the espacenet, 1 page (April 9, 1999 - Date of publication of application).									
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FORM PTO-1449					ATTY. DOCKET NO.   APPLICATION NO.   1744.0250001   09/476,092   FIRST NAMED INVENTOR					
	ELEVEN	ITH SUPPLEMENTAL			d F. Sorrells	JK				
INFORMATION DISCLOSURE STATEMENT					FILING DATE January 3, 2000			ART UNIT 2686		
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	AA72	3,694,754	09/1972		altzer	_				
	AB72	4,931,716	06/1990		vanovic <i>et al.</i>					
	AC72	3,617,898	11/1971		Janning, Jr.		-			
	AD72 <sub>.</sub>	3,764,921	10/1973		Huard			_		
	AE72	4,158,149	06/1979	Ot	Otofuji					
	AF72	4,380,828	04/1983	М	Moon					
	AG72	4,562,414	12/1985	Lir	nder <i>et al</i> .					
	AH72	4,814,649	03/1989	Yo	oung					
	AI72	4,845,389	07/1989		Pyndiah et al.					
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	AJ								Yes No	
	AK								Yes No Yes	
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FORM PTO-1449					ATTY. DOCKET NO. APPLICATION NO.					
				FIRST NAMED INVENTOR						
ELEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT					David F. Sorrells					
			FILING DATE ART UNIT January 3, 2000 2686							
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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	N/	AME	CL	ASS	SUB-CLASS	FILING DATE	
	AA73	5,172,019	12/1992	Na	aylor <i>et al</i> .					
	AB73	5,263,198	11/1993	G	Geddes et al.					
	AC73	5,551,076	08/1996	Во	onn					
	AD73	5,633,610	05/1997	Maekawa et al.						
	AE73	7,027,786 B1	04/2006	Smith et al.						
	AF73	7,039,372 B1	05/2006	So	orrells et al.					
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	AJ								No Yes	
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